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(54) System and method for communicating with digital and analog devices via a single digital interface

(57) The invention is an ISDN terminal equipment which will maintain connectivity with existing analog modems by setting up a voice-grade connection to existing

analog modems and using the power of a digital signal Processor DSP to generate the digital equivalent of the analog modem signals for transmission on an ISDN "B" channel.

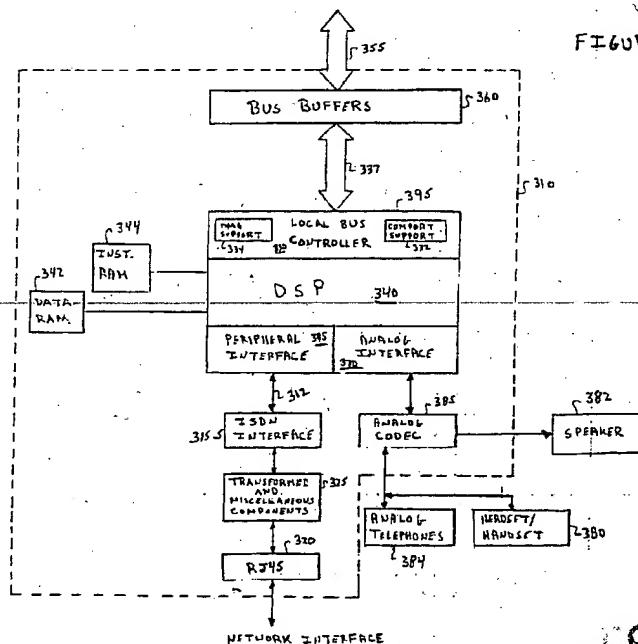


FIGURE 3

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EUROPEAN SEARCH REPORT

Application Number

EP 94 48 0123

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
D, X	EP 0 353 890 A (IBM) 7 February 1990 * page 2, line 49 - page 3, line 40 * * page 11, line 38 - page 12, line 9 * Claim 1	1	H04M11/06
X	US 5 134 611 A (STEINKA ET AL) 28 July 1992 Abstract * column 3, line 5 - line 34 * * column 4, line 27 - column 5, line 33 *	1	
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TECHNICAL FIELDS SEARCHED (Int.Cl.) H04M H04L H04Q H04J			
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 March 1999	Examiner Blanco Cardona, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 94 48 0123

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
 The members are as contained in the European Patent Office EDP file on
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18-03-1999

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System and method for communicating with digital and analog devices via a single digital interface.

Patent number: EP0659007

Publication date: 1995-06-21

Inventor: DAVIS GORDON TAYLOR (US); MARKS LAURENCE VICTOR (US); DILLON CHARLES BRUCE (US)

Applicant: IBM (US)

Classification:

- **international:** H04M11/06

- **european:** H04Q11/04S; H04L25/49M5; H04Q11/04S1T

Application number: EP19940480123 19941108

Priority number(s): US19930166996 19931216

Also published as

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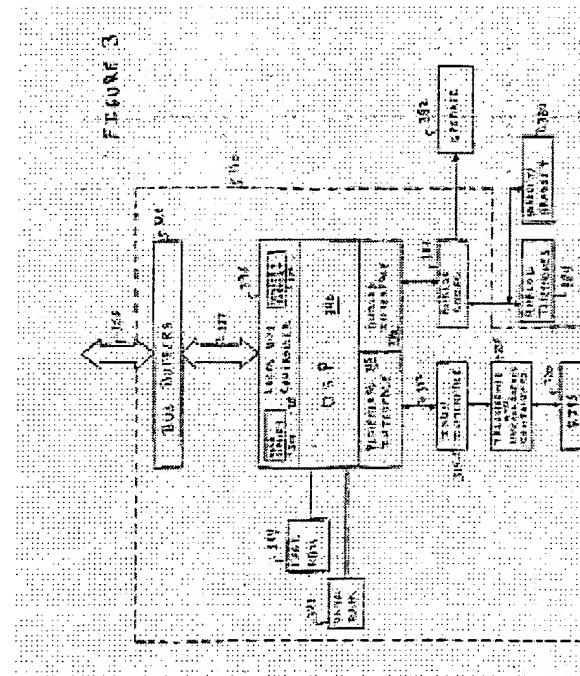
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Abstract of EP0659007

The invention is an ISDN terminal equipment which will maintain connectivity with existing analog modems by setting up a voice-grade connection to existing analog modems and using the power of a digital signal Processor DSP to generate the digital equivalent of the analog modem signals for transmission on an ISDN "B" channel.



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